

APPLICATION FOR PERMIT

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office.....MAR 2 1979
 Returned to applicant for correction.....JUN 5 1979
 Corrected application filed.....
 Map filed.....JUN 7 1979

The applicant.....Union Oil Company of California
 c/o Chilton Engineering 421 Court, of Elko,
Street and No. or P.O. Box No. City or Town
Nevada 89801, hereby make application for permission to appropriate the public
State and Zip Code No.
 waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) October 17, 1890-Calif.

1. The source of the proposed appropriation is Underground Well #1
Name of stream, lake or other source.
2. The amount of water applied for is 5.0 cfs second-feet
One second-foot equals 448.83 gals. per min.
 (a) If stored in reservoir give number of acre-feet..... acre-feet
3. The water to be used for Industrial and Domestic
Irrigation, power, mining, manufacturing, domestic, or other use.
4. If use is for:
 - (a) Irrigation (state number of acres to be irrigated).....
 - (b) Stockwater (state number and kinds of animals to be watered).....
 - (c) Other use (describe fully under "No. 12. Remarks").....
 - (d) Power:
 - (1) Horsepower developed.....
 - (2) Point of return of water to stream.....
5. The water is to be diverted from its source at the following point: SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 11, T31N,
R59E, MDM, at a point from which the SW corner of said Section 11
Describe as being within a 40-acre subdivision of public survey, and by course and distance to a section corner. If on unsurveyed land,
bears S 70° 41' W 2120 feet
it should be stated.
6. Place of use E $\frac{1}{2}$ SW $\frac{1}{4}$ Section 11, T31N, R59E, MDM
Describe by legal subdivision, if on unsurveyed land it should be so stated.
7. Use will begin about January 1 and end about December 31, of each year.
Day and Month Day and Month
8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) drill well to approximate 5,000'
depth, install turbine pump to utilize geothermal resource
State manner in which water is to be diverted, whether by dam or other works, whether through pipes, ditches, flumes, or other conduits.

9. Estimated cost of works.....in excess of \$100,000.00
10. Estimated time required to construct works.....3 years
11. Estimated time required to complete the application to beneficial use.....5 years
12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

.....Proposed well to explore, test and develop geothermal resource
for industrial use. Water to be reinjected into underground
reservoir. Please send copies of all notices and correspondence
to: Union Oil Co. of Calif. Att: Henry T. Snow-P.O. Box 6854.
 Santa Rosa, Calif. 95406
 Applicant Union Oil Company of California

By s/ William A. Nisbet
 Agent, 421 Court
 Elko, Nevada 89801

Compared lp/dh bc/bl

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of water herein granted is only a temporary allowance and that the final water right obtained under this permit will be dependent upon the amount of water actually placed to beneficial use. It is also understood that this right must allow for a reasonable lowering of the static water level. If the well is flowing, a valve must be installed and maintained to prevent waste. Accurate measurements must be kept of water placed to beneficial use. The State retains the right to regulate the use of the water herein granted at any and all times.

This permit is to appropriate geothermal fluids only and all cold, fresh water aquifers are to be sealed off to prevent waste and contamination.

The well is to be cemented from the production levels to the surface.

The used geothermal liquids are to be returned to the source.

This permit is further issued subject to the condition that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 5.0 cubic feet per second.

Actual construction work shall begin on or before N/A

Proof of commencement of work shall be filed before N/A

Work must be prosecuted with reasonable diligence and be completed on or before August 16, 1982

Proof of completion of work shall be filed before September 16, 1982

Application of water to beneficial use shall be made on or before August 16, 1987

Proof of the application of water to beneficial use shall be filed on or before September 16, 1987

Map in support of proof of beneficial use shall be filed on or before

Commencement of work filed..... IN TESTIMONY WHEREOF, I PETER G. MORROS
 Completion of work filed..... State Engineer of Nevada, have hereunto set my hand and the seal of
 Proof of beneficial use filed..... my office, this 16th day of SEPTEMBER

Cultural map filed.....
 Certificate No. Issued..... A.D. 19 81
 Recorded..... Bk..... Page..... OCT 11 1983

WITHDRAWN BY APPLICANT

State Engineer

218-446
 Peter G. Morros
 DEB
 ENGINEER